

**PART B - FEE(S) TRANSMITTAL**

Complete and send this form, together with applicable fee(s), to: **Mail Mail Stop ISSUE FEE**  
**Commissioner for Patents**  
**Alexandria, Virginia 22313-1450**  
**Fax (703)746-4000**

**INSTRUCTIONS:** This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 4 should be completed where appropriate. All further correspondence including the Patent, advance orders and notification of maintenance fees will be mailed to the current correspondence address as indicated unless corrected below or directed otherwise in Block 1, by (a) specifying a new correspondence address; and/or (b) indicating a separate "FEE ADDRESS" for maintenance fee notifications.

CURRENT CORRESPONDENCE ADDRESS (Note: Legibly mark-up with any corrections or use Block 1)

26111 7590 07/01/2003

STERNE, KESSLER, GOLDSTEIN & FOX PLLC  
 1100 NEW YORK AVENUE, N.W.  
 WASHINGTON, DC 20005

OIPE

OCT 01 2003

U.S. PATENT AND TRADEMARK OFFICE

Note: A certificate of mailing can only be used for domestic mailings of the Fee(s) Transmittal. This certificate cannot be used for any other accompanying papers. Each additional paper, such as an assignment or formal drawing, must have its own certificate of mailing or transmission.

**Certificate of Mailing or Transmission**

I hereby certify that this Fee(s) Transmittal is being deposited with the United States Postal Service with sufficient postage for first class mail in an envelope addressed to the Box Issue Fee address above, or being facsimile transmitted to the USPTO, on the date indicated below.

(Depositor's name)

(Signature)

(Date)

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/666,890	09/20/2000	James L. Hartley	0942.2570003/RWE/DRM	9088

TITLE OF INVENTION: NUCLEIC ACID MARKER LADDER FOR ESTIMATING MASS

APPLN. TYPE	SMALL ENTITY	ISSUE FEE	PUBLICATION FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1300	\$0	\$1300	10/01/2003

EXAMINER	ART UNIT	CLASS-SUBCLASS
WHISENANT, ETHAN C	1634	435-006000

1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363).

Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached.

"Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. Use of a Customer Number is required.

2. For printing on the patent front page, list (1) the names of up to 3 registered patent attorneys or agents OR, alternatively, (2) the name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed.

1. Sterne, Kessler, Goldstein & Fox P.L.L.C.

2. \_\_\_\_\_

3. \_\_\_\_\_

3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type)

PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. Inclusion of assignee data is only appropriate when an assignment has been previously submitted to the USPTO or is being submitted under separate cover. Completion of this form is NOT a substitute for filing an assignment.

(A) NAME OF ASSIGNEE

(B) RESIDENCE: (CITY and STATE OR COUNTRY)

Invitrogen Corporation

Carlsbad, CA

Please check the appropriate assignee category or categories (will not be printed on the patent)  individual  corporation or other private group entity  government

4a. The following fee(s) are enclosed:

Issue Fee

Publication Fee

Advance Order - # of Copies 10

Payment of Fee(s):

A check in the amount of the fee(s) is enclosed.

Payment by credit card. Form PTO-2038 is attached.

The Commissioner is hereby authorized to charge the required fee(s), or credit any overpayment, to Deposit Account Number 19-0056 (enclose an extra copy of this form).

Commissioner for Patents is requested to apply the Issue Fee and Publication Fee (if any) or to re-apply any previously paid issue fee to the application identified above.

(Authorized Signature) *Robert W. Esmond* (Date) Oct 1, 2003  
 Robert W. Esmond, Reg. No. 32,893

NOTE: The Issue Fee and Publication Fee (if required) will not be accepted from anyone other than the applicant; a registered attorney or agent; or the assignee or other party in interest as shown by the records of the United States Patent and Trademark Office.

This collection of information is required by 37 CFR 1.311. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Alexandria, Virginia 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, Alexandria, Virginia 22313-1450.

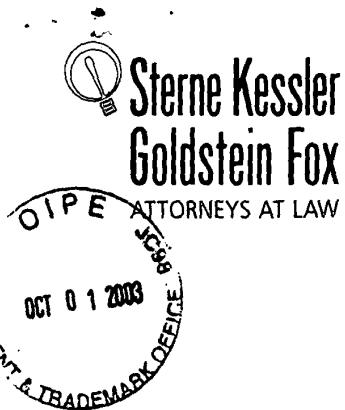
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10/07/2003 EHAILE2 00000108 09666890

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 30.00 DP

TRANSMIT THIS FORM WITH FEE(S)



Robert Greene Sterne Edward J. Kessler Jorge A. Goldstein David K.S. Cornwell Robert W. Esmond Tracy-Gene G. Durkin Michele A. Cimbara Michael B. Ray Robert E. Sokohl Eric K. Steffe Michael Q. Lee Steven R. Ludwig John M. Covert Linda E. Alcorn Robert C. Millonig Lawrence B. Bugalsky Donald J. Featherstone Michael V. Messinger	Judith U. Kim Timothy J. Shea, Jr. Patrick E. Garrett Heidi L. Kraus Edward W. Yee Albert L. Ferro* Donald R. Banowitz Peter A. Jackman Molly A. McCall Teresa U. Medler Jeffrey S. Weaver Kendrick P. Patterson Vincent L. Capuano Eldora Ellison Floyd Thomas C. Fiala Brian J. Del Buono Virgil Lee Beaston* Kimberly N. Reddick	Theodore A. Wood Elizabeth J. Haanes Bruce E. Chalker Joseph S. Ostroff Frank R. Cotttingham Christine M. Lhuiler Rae Lynn Prengaman Jane Shershenovich* Lawrence J. Carroll* George S. Bardmeser Daniel A. Klein* Rodney G. Maze Jason D. Eisenberg Michael D. Specht Andrea J. Kamage Tracy L. Muller* Jon E. Wright* LuAnne M. Yuricek*	John J. Figueroa Ann E. Summerfield <b>Registered Patent Agents*</b> Karen R. Markowicz Nancy J. Leith Helene C. Carlson Gaby L. Longsworth Matthew J. Dowd Aaron L. Schwartz Mary B. Tung Katrina Y. Pei Bryan L. Shelton Robert A. Schwartzman Timothy A. Doyle Jennifer R. Mahalingappa Teresa A. Colella	<b>Jeffrey S. Lundgren</b> <b>Victoria S. Rutherford</b> <b>Eric D. Hayes</b> <b>Of Counsel</b> <b>Kenneth C. Bass III</b> <b>Evan R. Smith</b>
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\*Admitted only in Maryland  
•Admitted only in Virginia  
•Practice Limited to Federal Agencies

October 1, 2003

**WRITER'S DIRECT NUMBER:**  
 (202) 772-8560  
**INTERNET ADDRESS:**  
 resmond@skgf.com

***Mail Stop Issue Fee***

Commissioner for Patents  
 P.O. Box 1450  
 Alexandria, VA 22313-1450

Re: U.S. Allowed Utility Patent Application  
 Appl. No. 09/666,890; Filed: September 20, 2000  
 For: **Nucleic Acid Marker Ladder for Estimating Mass**  
 Inventor: James L. Hartley  
 Our Ref: 0942.2570003/RWE/TSC

Sir:

In response to the Notice of Allowance and Issue Fee Due dated July 1, 2003, the following documents are forwarded for appropriate action by the U.S. Patent and Trademark Office:

1. PTO-2038 Credit Card Payment Form for \$1,360.00 to cover:  
     \$1,330.00 Issue Fee; and  
     \$ 30.00 Advance copies of patent;
2. Issue Fee Transmittal Form (PTOL-85B);
3. Fee Transmittal Form (PTO/SB/17); and
4. One (1) return postcard.

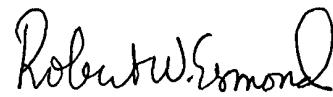
It is respectfully requested that the attached postcard be stamped with the date of filing of these documents, and that it be returned to our courier.

Commissioner for Patents  
October 1, 2003  
Page 2

The U.S. Patent and Trademark Office is hereby authorized to charge any fee deficiency, or credit any overpayment, to our Deposit Account No. 19-0036. If extensions of time under 37 C.F.R. § 1.136 other than those otherwise provided for herewith are required to prevent abandonment of the present patent application, then such extensions of time are hereby petitioned, and any fees therefor are hereby authorized to be charged to our Deposit Account No. 19-0036.

Respectfully submitted,

STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.



Robert W. Esmond  
Attorney for Applicant  
Registration No. 32,893

RWE/TSC/lam  
Enclosures

::ODMA\MHODMA\SKGF\_DC1;183739;1

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

# FEE TRANSMITTAL for FY 2003

Effective 01/01/2003. Patent fees are subject to annual revision.

 Applicant claims small entity status. See 37 CFR 1.27**TOTAL AMOUNT OF PAYMENT (\$)** **1,360.00****METHOD OF PAYMENT (check all that apply)**
 Check  Credit card  Money Order  Other\*\* 

None

\*\* Charge any deficiencies or credit any overpayments in the fees or fee calculations of Parts 1, 2 and 3 below to Deposit Account No. 19-0036.

 Deposit Account

Deposit Account Number 19-0036

Deposit Account Name: Sterne, Kessler, Goldstein &amp; Fox P.L.L.C.

**The Commissioner is authorized to: (check all that apply)**

- Charge fee(s) indicated below  Credit any over payments
- Charge any additional fee(s) during the pendency of this application
- Charge fee(s) indicated below, **except for the filing fee** to the above-identified deposit account.

**FEE CALCULATION****1. BASIC FILING FEE**

Large Entity Small Entity

Fee Code	Fee (\$)	Fee Code	Fee (\$)	Fee Description	Fee Paid
1001	770	2001	385	Utility filing fee	
1002	340	2002	170	Design filing fee	
1003	530	2003	265	Plant filing fee	
1004	770	2004	385	Reissue filing fee	
1105	160	2005	80	Provisional filing fee	

**SUBTOTAL (1) (\$)** **0.00****2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE**

Fee from below

Extra Fee

Fee Paid

Total Claims \_\_\_\_\_ - 20\*\* = \_\_\_\_\_ X \_\_\_\_\_ = \_\_\_\_\_

Indep. Claims \_\_\_\_\_ - 3\*\* = \_\_\_\_\_ X \_\_\_\_\_ = \_\_\_\_\_

Multiple Dependent \_\_\_\_\_ = \_\_\_\_\_

Large Entity	Small Entity	Fee Description		
Fee Code	Fee (\$)	Fee Code		
1202	18	2202	9	Claims in excess of 20
1201	86	2201	43	Independent claims in excess of 3
1203	290	2203	145	Multiple dependent claim, if not paid
1204	86	2204	43	**Reissue independent claims over original patent
1205	18	2205	9	**Reissue claims in excess of 20 and over original patent

**SUBTOTAL (2) (\$)** **0.00**

\*\*or number previously paid, if greater; For Reissue, see above

**Complete if Known**

Application Number	09/666,890
Filing Date	September 20, 2000
First Named Inventor	James L. Hartley
Examiner Name	Whisenant, Ethan C.
Art Unit	1634
Attorney Docket No.	0942.2570003/RWE/TSC

**FEE CALCULATION (continued)****3. ADDITIONAL FEES**

Large Entity Small Entity

Fee Code	Fee (\$)	Fee Code	Fee (\$)	Fee Description	Fee Paid
1051	130	2051	65	Surcharge - late filing fee or oath	
1502	50	2052	25	Surcharge-late provisional filing fee or cover sheet	
1053	130	1053	130	Non-English specification	
1812	2,520	1812	2,520	For filing a request for ex parte reexamination	
1804	920*	1804	920*	Requesting publication of SIR prior to Examiner action	
1805	1,840*	1805	1,840*	Requesting publication of SIR after Examiner action	
1251	110	2251	55	Extension for reply within first month	
1252	420	2252	210	Extension for reply within second month	
1253	950	2253	475	Extension for reply within third month	
1254	1,480	2254	740	Extension for reply within fourth month	
1255	2,010	2255	1,005	Extension for reply within fifth month	
1401	330	2401	165	Notice of Appeal	
1402	330	2402	165	Filing a brief in support of an appeal	
1403	290	2403	145	Request for oral hearing	
1451	1,510	1451	1,510	Petition to institute a public use proceeding	
1452	110	2452	55	Petition to revive - unavoidable	
1453	1,330	2453	665	Petition to revive - unintentional	
1501	1,330	2501	665	Utility issue fee (or reissue)	1,330.00
1502	480	2502	240	Design issue fee	
1503	640	2503	320	Plant issue fee	
1460	130	1460	130	Petitions to the Commissioner	
1807	50	1807	50	Processing fee under 37 CFR 1.17(q)	
1806	180	1806	180	Submission of Information Disclosure Stmt	
8021	40	8021	40	Recording each patent assignment per property (times number of properties)	
1809	770	2809	385	Filing a submission after final rejection (37 CFR 1.129(a))	
1810	770	2810	385	For each additional invention to be examined (37 CFR 1.129(b))	
1801	770	2801	385	Request for Continued Examination (RCE)	
1802	900	1802	900	Request for expedited examination of a design application	

Other fee (specify) 10 copies of patent @ \$3.00 each = \$30.00

\* Reduced by Basic Filing Fee Paid

**SUBTOTAL (3) (\$)** **1,360.00****SUBMITTED BY****Complete if applicable**

Name (Print/Type)	Robert W. Esmond	Registration No. (Attorney/Agent)	32,893	Telephone	202-371-2600
Signature	<i>Robert W. Esmond</i>			Date	October 1, 2003

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

This collection of information is required by 37 CFR 1.17 and 1.27. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

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